

Satellite Symposium of the 80th Annual Meeting

The Japanese Society of Microscopy

International Symposium for Young Scientists in State-of-the-Art Microscopy

- ◆ Oral Presentations by
Young Researchers
from JAPAN and Abroad
- ◆ **Educational Lectures**
for Young Scientists



2024
Jun 2nd (Sun)
12:30-19:00

Hybrid Symposium

Makuhari-Messe

2F, 201

2-1, Nakase, Mihama-ku, Chiba-city, JAPAN

Free of Charge
Pre-registration required

Please use the QR code on the right or the URL below to access the form.
<https://sites.google.com/view/microscopy-wakate/>

Application Deadline : May 26, 2024 (Sun)

Anyone, academic or non-academic, is welcome to attend.



*This is an independent event from the annual meeting

Organizing Young scientists for interdisciplinary microscopic researches

Contact wakate.microscopy@gmail.com

公益社団法人
日本顕微鏡学会
The Japanese Society of Microscopy

Invited talks by young researchers

12:30 - 12:55

Development of Advanced Direct Electron Detection Cameras

Takafumi Ishida Nagoya University, Japan

Using SOI Technology

12:55 - 13:20

Utilizing 4D-STEM for Multislice Electron Tomography

Yongsoo Yang Korea Advanced Institute of Science and Technology, Korea

13:30 - 13:55

Mitochondrial Ultrastructure and Its Regulation Revealed by Deep Learning-based Analysis

Shogo Suga University of Tokyo, Japan

13:55 - 14:20

MINFLUX for Dynamic Structural Biology

Nikolay Sergeev University of Vienna, Austria

14:30 - 14:55

Data-driven Analysis for Revealing Sub-percent Local Strain in a Nanoparticle

Kohei Aso Japan Advanced Institute of Science and Technology, Japan

14:55 - 15:20

Microscope Kintsugi: Embracing the Imperfect to Make the New

Jonathan Peters Trinity College Dublin, Ireland

15:30 - 15:55

Imaging Protein Activity by High-speed AFM and 2-photon FLIM

Hideji Murakoshi National Institute for Physiological Sciences, Japan

15:55 - 16:20

Genetically Encoded Multimeric Tags for Protein Localisation in Cellular Cryo-ET

Yuki Hayashi European Molecular Biology Laboratory, Germany

Special invited lecture

16:30 - 17:15

Molecular Structure Determination at 100 keV

and Potential Improvements in CryoEM *in Situ*

Christopher Russo MRC Laboratory of Molecular Biology, UK

17:15 - 18:00

2D and 4D STEM Imaging of Beam Sensitive Materials

Peter Nellist University of Oxford, UK

18:00 - 18:45

In Situ Electron Microscopy for Site-specific Correlation

between Atomic Structure and Properties

Eva Olsson Chalmers University of Technology, Sweden



Material



Biology

* Can enter and exit during the session